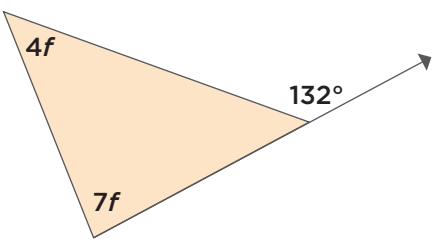
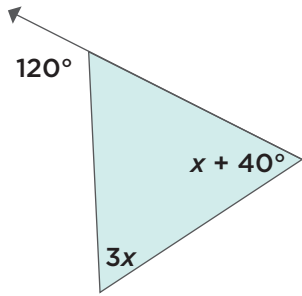
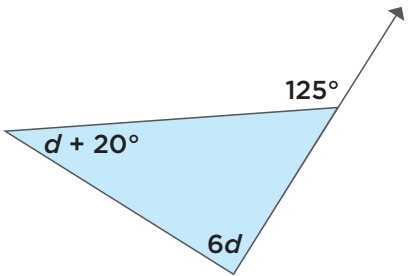


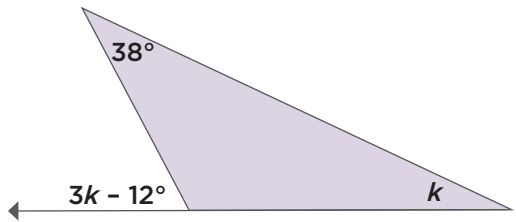
EXTERIOR ANGLES OF TRIANGLES: SOLVE FOR THE VARIABLE

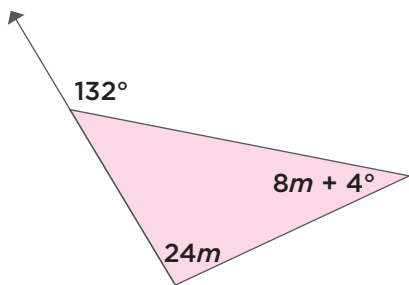
The **Exterior Angle Theorem** states that the measure of an exterior angle of a triangle is equal to the sum of the two opposite interior angles. Use this theorem to solve for the variables below.

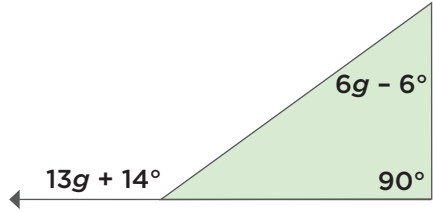
1.  $f = \underline{12^\circ}$

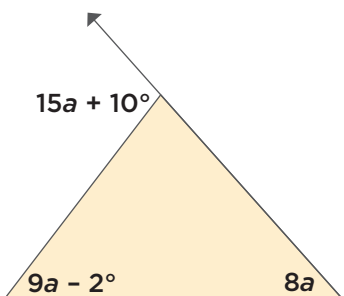
2.  $x = \underline{20^\circ}$

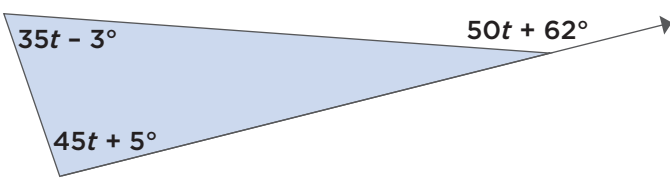
3.  $d = \underline{15^\circ}$

4.  $k = \underline{25^\circ}$

5.  $m = \underline{4^\circ}$

6.  $g = \underline{10^\circ}$

7.  $a = \underline{6^\circ}$

8.  $t = \underline{2^\circ}$